

01446400 PEQUEST RIVER AT BELVIDERE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°49'45", long 75°04'43" referenced to North American Datum of 1983, Belvidere Town, Warren County, NJ, Hydrologic Unit 02040105, at bridge on County Route 619 (Greenwich Street) in Belvidere, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--157 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1974, 1977 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft³/s
Nov 29, 2007	317
Feb 19, 2008	1,770
Jun 9, 2008	131
Aug 27, 2008	33.4

01446400 PEQUEST RIVER AT BELVIDERE, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957, 1962, 1976-82, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Watershed Integrator, NJ Department of Environmental Protection Watershed Management Area 1.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC μS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Nov 29...	1100	317	2.2	.172	.129	753	12.5	101	8.3	446	10.5	6.2	180
Feb 19...	1350	1,770	15	.135	.102	746	13.3	103	8.0	347	4.0	4.3	140
Jun 09...	1245	131	3.4	.096	.073	760	9.8	115	8.3	499	35.0	23.1	220
Aug 27...	1110	33	1.4	.044	.034	756	12.9	132	8.6	535	23.0	16.3	240

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 29...	41.8	17.9	1.50	15.8	171	28.2	E.07	8.4	20.5	E240	264	1	.32
Feb 19...	32.8	13.2	1.40	16.8	116	29.1	<.12	6.0	13.6	186	191	27	.27
Jun 09...	49.6	22.6	1.39	18.3	196	32.5	E.07	7.9	17.3	E272	278	8	.25
Aug 27...	52.7	26.7	1.62	18.7	218	32.8	E.11	8.2	20.4	E298	295	5	.18

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Nov 29...	.025	.85	.06	1.2	1.2	.022	.025	.038	.5	<.04	.5	4.6	12
Feb 19...	<.010	.72	.15	.99	1.1	.023	.029	.065	1.7	<.04	1.7	3.6	9.7
Jun 09...	E.006	.97	.10	1.2	1.3	.038	.046	.059	1.0	<.04	1.0	3.0	13
Aug 27...	E.006	1.31	.12	1.5	1.6	.046	.051	.059	.9	<.04	.9	1.6	14